

ACRYLOC[®] WALLCOTE[™] SYSTEM for Autoclaved Aerated Concrete (AAC)

DESCRIPTION

Autoclaved Aerated Concrete is a lightweight masonry containing extremely small and finely dispersed air pockets within the material. Examples are Ecol Mega panels from One Stop Building Supplies, CSR Hebel[®] PowerPanel[®] and Hebel[®] Block.

AAC has different characteristics to conventional masonry and it is essential that a purpose designed render is used.

Wallcote FR Render has been specifically formulated for use on AAC and is the basis of a system which provides high quality protection with an attractive finish, preventing water ingress to the wall structure while providing the required vapour permeability and flexibility.

WALLCOTE COATING SYSTEM



The Wallcote System components recommended for use on AAC are shown below.

Recommended Components

Notes

↳ Render Coat (essential)

Wallcote FR Render

Fibre reinforced, polymer modified, just add water. Specifically designed for compatibility with AAC

↳ Primer (required)

Acryloc Prime Seal

Ensures uniform porosity of the render surface and aids adhesion of texture coating.

↳ Texture Coating (choose from)

- Acryloc Marblecote Medium / Coarse
- (or) Acryloc Sandcote Fine/ Medium/ Coarse
- (or) Trowel On Scratch
- (or) Tuscan Fine/Moroccan Med./Rustic Coarse

All texture coats are tintable to aid Colour Coat coverage

- Trowel On
- Trowel On
- Trowel On
- Roll On

↳ Protective Colour Coat (for full durability)

Acryloc Armourflex

Highly Durable, Masonry Matt or Lo Sheen finish, protective Paint coating, tintable to a wide range of colours

IMPORTANT REQUIREMENTS

- AAC must be installed in accordance with the manufacturer's instructions. Consult the current version of the relevant Technical Manual for requirements.
- Frame details and panel fixings must comply with relevant building codes
- Timber framing must comply with AS1684-1992 National Timber Framing Code
- Metal framing must comply with AS3623-1993 Domestic Metal Framing
- Once application of the Wallcote system has occurred, the applicator is taken to have approved the installation and fixing of the panels
- Application methods, processes and finishes should be approved by the client, preferably with the application of a site sample
- Ensure that the surface is clean, sound, dry and free from contaminants including oil, grease, dust, dirt, silicone, mud, salt, efflorescence, animal droppings and any loose or flaking material.

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RENDER COAT

Holes should be filled and damaged areas patched. All joints should be filled flush with an approved AAC adhesive. The AAC surface should not be saturated nor very dry, so as to provide a medium suction.

- Prepare Wallcote FR Render as per the relevant Tech Data sheet.
- Apply with a hawk and trowel to achieve a 2-4mm layer. As the Wallcote FR Render begins to set, rub up the surface to eliminate trowel marks and provide a smooth surface for subsequent texture coating.

Do not render over expansion or control joints.

Render must not bridge the damp proof course.

At the recommended thickness of 2-4mm, coverage should be 5-5.5m²/bag.

A single coat is sufficient for AAC panels but a second coat should be applied to AAC blockwork.

Allow minimum 3 to 4 hours curing time before applying second and subsequent render coats.

Allow 2 to 3 days curing per coat of render before applying texture or paint coatings.

PRIMER

The Render Coat must be primed prior to texture coating or painting to ensure good adhesion.

- Apply a single coat of Acryloc Prime Seal (Ready to Use) at the rate of 12.5-16.5 m²/L.
- Allow 45 minutes to dry before applying texture or paint.

TEXTURE COATING

- Apply the selected Acryloc Trowel-On or Roll-On texture as detailed in the appropriate Tech Data Sheet.
- Application must be carried out in a brisk uniform fashion, terminating only when a whole area or section is completely coated, for example, at an expansion joint or corner.

Do not texture over expansion or control joints.

- Acryloc texture coatings should not be extended (spread) too far; otherwise durability and hiding power may suffer.
- Allow 24 hours before commencing the paint coat.

Coverage depends upon the particle size of the texture coat; a larger size such as Marblecoat Coarse should give 10-13m²/pail while finer materials will cover more area.

PAINT COATING

Painting of texture with Acryloc Armourflex is required to fully protect against water ingress, minimize dirt build up on the surface and to extend the life of the coating system.

- Apply Acryloc Armourflex as detailed in the current version of the Tech Data Sheet.

Coverage should be 8-10m²/litre for a single coat over render, down to 4-5m²/litre over coarse texture.

Clean-Up

Clean up all Wallcote System materials with water.

WARRANTY

Acryloc Building Products provides a material replacement warranty against bubbling, peeling or flaking of the full Wallcote® Coating System caused by any defect in manufacture for a period of ten years when applied correctly by a skilled and experienced applicator in accordance with all current application criteria.

Acryloc Building Products provides no warranty, expressed or implied, against cracking or other damage due to movement of the substrate or structure. Consult the Wallcote Warranty Conditions for further details.

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